

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD2104</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2104 Peters Pocket Tract</b>	<b>U</b>	<b>6.85</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	14.03	1.64	20.59	300.66%				
Encroachments	0.03		0.03	0.44%				
Slope Stability	0.02	0.01	0.06	0.88%				
Cracking		0.01	0.04	0.58%				
Crown Surface / Depressions / Rutting	5.14		5.14	75.05%				
Flood Preparedness & Training	0.07		0.07	1.02%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.07			
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	19.29	1.66	25.93	378.63%	0.07	0.00	0.00	0.00

<b>Unit No. 01 Cache Slough/Unit No. 02 Haas Slough LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2104</b>	<b>U</b>	<b>6.85</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	14.03	1.64	20.59	300.66%				
Encroachments	0.03		0.03	0.44%				
Slope Stability	0.02	0.01	0.06	0.88%				
Cracking		0.01	0.04	0.58%				
Crown Surface / Depressions / Rutting	5.14		5.14	75.05%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.07			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	19.22	1.66	25.86	377.61%	0.07	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2104 Peters Pocket Tract**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway			Bank	Unit Miles
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough			Left	6.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	5/15/2019 - 5/15/2019		10/15/2019 - 10/15/2019	
DWR Inspector	David Julian		David Julian	
Accompanied By	Chris Niederhauser RD 2104		Chris Niederhauser RD 2104	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start		Rating **	M	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2104_01_s_2012_12				
Comment Code					
Inspector Comment					
District coordinates with adjacent district 2068 for flood fighting, but needs to have their staff flood fight trained.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2104_01_f_2012_14				
Comment Code					
Inspector Comment					
District has the O+M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	40
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2104_01_s_2012_40				
Comment Code					
Inspector Comment					
District has soil and sand on site, and coordinates with adjacent district 2068 for other materials.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>1.60</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.308073 °	38.293982 °	
			-121.758658 °	-121.739889 °	
DWR ID	DWR_RD2104_01_f_2019_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>27</b>
LM End	<b>1.60</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.308066 °	38.293957 °	
			-121.758663 °	-121.739814 °	
DWR ID	DWR_RD2104_01_f_2019_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.17</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>1.72</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.306052 °	38.293465 °	
			-121.757582 °	-121.737780 °	
DWR ID	DWR_RD2104_01_f_2016_20				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Add appropriate material, re-grade and compact for proper drainage.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

No Photos

Photo 1 of 1 : FA\_2019\_RD2104\_249\_29\_20190826\_00010.jpg



View of tree branches on the waterside slope (November 2018).

Photo 1 of 1 : FA\_2019\_RD2104\_249\_23\_20191015\_00041.jpg



View looking downstream at trail caused by cows on the waterside slope (Fall 2019).

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	1.42	Rating **	A/W	Issue No.	56	
LM End	1.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.295668 °	38.295668 °	
				-121.741779 °	-121.741779 °	
DWR ID	24711					
Comment Code						
Inspector Comment						
DS_ID:24711						
FS_ID:24984						
EP_NO: 10185						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 09/14/2017 Permit is unavailable, missing page 3 official permit documentation. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 5.7 feet below the crown. Pump in an irrigation ditch on the landside (LS). Siphon breaker on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 10185, 1964 - Erwin E. and Lucy G. Vasser, limited details available electronic permit unavailable).						
[Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 1.52), Drawing Nos. 50-04-1977 and 50-04-3379].						
FS Date: 12/4/2013						

LM Start	<b>1.42</b>	Rating **	A/W	Issue No.	<b>56 (cont)</b>
LM End	<b>1.42</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_24984\_45042.jpg



Pipe on LS slope with pump in irrigation ditch off LS toe visible in background.

Photo 2 of 3 : UCIP\_FA\_2019\_24984\_45041.jpg



Siphon breaker on pipe at WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	1.42	Rating **	A/W	Issue No.	56 (cont)	
LM End	1.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.295668 °	38.295668 °	
				-121.741779 °	-121.741779 °	
DWR ID	24711					
Comment Code						
Inspector Comment						
DS_ID:24711						
FS_ID:24984						
EP_NO: 10185						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 09/14/2017 Permit is unavailable, missing page 3 official permit documentation. (DWR UCIP - O. Magana)						
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 5.7 feet below the crown. Pump in an irrigation ditch on the landside (LS). Siphon breaker on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 10185, 1964 - Erwin E. and Lucy G. Vasser, limited details available electronic permit unavailable).						
[Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 1.52), Drawing Nos. 50-04-1977 and 50-04-3379].						
FS Date: 12/4/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_24984\_45040.jpg



Pump in wooden distribution box off LS toe.

LM Start	1.44	Rating **	U	Issue No.	11
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295487°	38.294947°
				-121.741530°	-121.741215°
DWR ID	DWR_RD2104_01_f_2017_11				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_11\_20191015\_00042.jpg



View looking downstream at thick vegetation on the waterside slope (Fall 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	1.60	Rating **	U	Issue No.	35
LM End	1.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.294005 °	38.294005 °
				-121.739810 °	-121.739810 °
DWR ID	DWR_RD2104_01_f_2019_35				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
There is at least a 48" crack through the center of the crown.					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_35\_20191015\_00045.jpg



View of deep crack with 48" pole stuck all the way into it on the crown (Fall 2019).

LM Start	1.60	Rating **	U	Issue No.	34
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.293989 °	38.291552 °
				-121.739818 °	-121.726162 °
DWR ID	DWR_RD2104_01_f_2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_34\_20191015\_00043.jpg



View looking downstream at thick annual vegetation on the landside slope (Fall 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	1.60	Rating **	U	Issue No.	32
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.293966 °	38.291552 °
				-121.739808 °	-121.726162 °
DWR ID	DWR_RD2104_01_f_2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_32\_20191015\_00044.jpg



View looking downstream at thick annual vegetation on the waterside slope (Fall 2019).

LM Start	1.64	Rating **	A/W	Issue No.	26
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.293779 °	38.324495 °
				-121.739262 °	-121.758096 °
DWR ID	DWR_RD2104_01_f_2018_26				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 1.8 L					
Status: Critical					
2017 Field Notes: Deep cracking aobserved along the ENTIRE LEVEE; risk of total levee failure; vertical cracking is on both the waterside and landside, eminent slump failure expected.					
Site History:					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	1.72	Rating **	A/W	Issue No.	15
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.293465°	38.293465°
				-121.737778°	-121.737778°
DWR ID	DWR_RD2104_01_f_2017_15				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_15\_20190826\_00003.jpg



Curved cracks in crown indicate possible slope instability on waterside slope. Cracks are 8 feet long x up to 6 inches wide x 3 feet deep. No other indications of slope instability observed. Levee toe is approx 40 feet from channel/slough edge.

LM Start	1.93	Rating **	A/W	Issue No.	16
LM End	1.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.292027°	38.291947°
				-121.734575°	-121.734453°
DWR ID	DWR_RD2104_01_s_2012_16				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is not in levee prism but monitor to see if it moves into prism.					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_16\_20190826\_00004.jpg



Scalloped bank erosion along slough is approaching levee toe.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	2.10	Rating **	C	Issue No.	47
LM End	2.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292052°	38.291605°
				-121.731543°	-121.726282°
DWR ID	DWR_RD2104_01_s_2019_47				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove thick vegetation from the crown					

No Photos

LM Start	2.13	Rating **	C	Issue No.	13
LM End	2.92	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292009 °	38.297630 °
				-121.730925 °	-121.730232 °
DWR ID	DWR_RD2104_01_s_2019_13				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	2.40	Rating **	M	Issue No.	57	
LM End	2.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.291579 °	38.291579 °	
				-121.726159 °	-121.726159 °	
DWR ID	24726					
Comment Code						
Inspector Comment						
DS_ID:24726						
FS_ID:41347						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 24-inch CMP debris on WS berm may indicate pipe was abandoned.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 108, April 1964, (HLM 2.60)].						
FS Date: 12/4/2013						

Photo 1 of 1 : UCIP\_FA\_2019\_41347\_45043.jpg



Pipe debris on WS berm.

LM Start	2.40	Rating **	M	Issue No.	30
LM End	6.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291552°	38.312913°
				-121.726162°	-121.758113°
DWR ID	DWR_RD2104_01_f_2019_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	2.40	Rating **	M	Issue No.	37
LM End	6.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291552°	38.312913°
				-121.726162°	-121.758113°
DWR ID	DWR_RD2104_01_f_2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.90	Rating **	A/W	Issue No.	58	
LM End	2.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.297380°	38.297380°	
				-121.730166°	-121.730166°	
DWR ID	24708					
Comment Code						
Inspector Comment						
DS_ID:24708 FS_ID:24990 EP_NO: 10185 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/14/2017 Permit is unavailable, missing page 3 official permit documentation. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, 4 feet below the crown. Pump on pile structure in drainage canal on the landside (LS). Siphon breaker in a 12-inch steel riser on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 10185, 1964 - Erwin E. and Lucy G. Vassar, limited information available electronic version of permit missing. Replaced under Permit No. 4412, 1963 - Ervin E. and Lucy G. Vassar, limited details available electronic permit copy unavailable). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 3.12), Drawing No. 50-04-3379]. FS Date: 12/4/2013						

Photo 1 of 2 : UCIP\_FA\_2019\_24990\_45047.jpg



Siphon breaker in steel riser on WS slope with pipe and flap gate visible in background at WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	2.90	Rating **	A/W	Issue No.	58 (cont)	
LM End	2.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.297380 °	38.297380 °	
				-121.730166 °	-121.730166 °	
DWR ID	24708					
Comment Code						
Inspector Comment						
DS_ID:24708 FS_ID:24990 EP_NO: 10185 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 09/14/2017 Permit is unavailable, missing page 3 official permit documentation. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee 4 feet below the crown. Pump on pile structure in drainage canal on the landside (LS). Siphon breaker in a 12-inch steel riser on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 10185, 1964 - Erwin E. and Lucy G. Vasser, limited information available electronic version of permit missing. Replaced under Permit No. 4412, 1963 - Ervin E. and Lucy G. Vassar, limited details available electronic permit copy unavailable). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 3.12), Drawing No. 50-04-3379]. FS Date: 12/4/2013						

Photo 2 of 2 : UCIP\_FA\_2019\_24990\_45046.jpg



Pump on pier in ditch off LS toe.

LM Start	2.92	Rating **	M	Issue No.	38
LM End	6.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.297690 °	38.313157 °
				-121.730241 °	-121.758160 °
DWR ID	DWR_RD2104_01_f_2019_38				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	3.04	Rating **	M	Issue No.	59	
LM End	3.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.299447 °		38.299447 °
				-121.730444 °		-121.730444 °
DWR ID	24720					
Comment Code						
Inspector Comment						
DS_ID:24720						
FS_ID:41834						
EP_NO: 14184						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Signs in disrepair and need proper markings.						
FIELD_STRUCT_DESC: 6-inch steel gas line through the levee, 3 feet below the crown. Signs on both toes of the levee.						
FS Date: 12/4/2013						

Photo 1 of 3 : UCIP\_FA\_2019\_41834\_45069.jpg



Sign on WS berm.

LM Start	<b>3.04</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>3.04</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_41834\_45068.jpg



Sign post on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	3.04	Rating **	M	Issue No.	59 (cont)	
LM End	3.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.299447 °	38.299447 °	
				-121.730444 °	-121.730444 °	
DWR ID	24720					
Comment Code						
Inspector Comment						
DS_ID:24720 FS_ID:41834 EP_NO: 14184 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Signs in disrepair and need proper markings. FIELD_STRUCT_DESC: 6-inch steel gas line through the levee, 3 feet below the crown. Signs on both toes of the levee. FS Date: 12/4/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_41834\_45070.jpg



Broken sign marker on LS toe.

LM Start	3.12	Rating **	M	Issue No.	60	
LM End	3.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.300605 °	38.300605 °	
				-121.730440 °	-121.730440 °	
DWR ID	24707					
Comment Code						
Inspector Comment						
DS_ID:24707 FS_ID:24992 EP_NO: 4412 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Heavy vegetation at concrete headwall on LS toe and at possible outlet area on WS toe. If possible, vegetation should be cleared to check if this is an accurate location. Erosion around backside of headwall at LS toe. FIELD_STRUCT_DESC: 48-inch by 48-inch reinforced concrete box drainage culvert through the levee, 17 feet below the crown. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 3.37)]. FS Date: 12/4/2013						

Photo 1 of 3 : UCIP\_FA\_2019\_24992\_45051.jpg



Vegetation covering possible location for 4X4 concrete culvert at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	3.12	Rating **	M	Issue No.	60 (cont)	
LM End	3.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.300605 °		38.300605 °
				-121.730440 °		-121.730440 °
DWR ID	24707					
Comment Code						
Inspector Comment						
DS_ID:24707 FS_ID:24992 EP_NO: 4412 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Heavy vegetation at concrete headwall on LS toe and at possible outlet area on WS toe. If possible, vegetation should be cleared to check if this is an accurate location. Erosion around backside of headwall at LS toe. FIELD_STRUCT_DESC: 48-inch by 48-inch reinforced concrete box drainage culvert through the levee, 17 feet below the crown. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 3.37)]. FS Date: 12/4/2013						

LM Start	<b>3.12</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>3.12</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_24992\_45050.jpg



Vegetation covering possible location for 4X4 concrete culvert at LS toe.

Photo 3 of 3 : UCIP\_FA\_2019\_24992\_45049.jpg



Some erosion on levee side of headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	3.65	Rating **	M	Issue No.	39
LM End	4.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.306653 °	38.310682 °
				-121.733047 °	-121.736152 °
DWR ID	DWR_RD2104_01_f_2019_39				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	4.00	Rating **	M	Issue No.	21
LM End	4.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.310672 °	38.310672 °
				-121.736155 °	-121.736155 °
DWR ID	DWR_RD2104_01_f_2018_21				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
There is a cow path on the landside slope.					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_21\_20191015\_00046.jpg



View looking downslope at cow path on the landside slope (Fall 2019).

LM Start	4.00	Rating **	M	Issue No.	42
LM End	4.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.310682 °	38.310682 °
				-121.736152 °	-121.736152 °
DWR ID	DWR_RD2104_01_f_2019_42				
Comment Code					
DE : Debris					
Inspector Comment					
Remove concrete block.					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_42\_20191015\_00047.jpg



View of large concrete block on the landside slope (Fall 2019).

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	<b>4.05</b>	Rating **	C	Issue No.	<b>17</b>
LM End	<b>4.30</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.311335°	38.313822°	
			-121.736643°	-121.739757°	
DWR ID	DWR_RD2104_01_s_2018_17				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>4.23</b>	Rating **	C	Issue No.	<b>10</b>
LM End	<b>4.30</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.313022°	38.313822°	
			-121.738968°	-121.739757°	
DWR ID	DWR_RD2104_01_s_2018_10				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	<b>4.23</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>6.51</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.313022°	38.313147°	
			-121.738968°	-121.758157°	
DWR ID	DWR_RD2104_01_f_2019_43				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	4.31	Rating **	M	Issue No.	61	
LM End	4.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.313955 °	38.313955 °	
				-121.739930 °	-121.739930 °	
DWR ID	24705					
Comment Code						
Inspector Comment						
DS_ID:24705 FS_ID:51459 EP_NO: 10182 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/06/2016 Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks observed along pipe alignment (limited inspection on WS toe). According to LMA representative, this crossing was replaced 6 years ago (2010) at WS concrete apron. Recommend conducting internal inspection of pipe through the levee and LS to determine pipe integrity. (O. Magana - DWR UCIP)12/04/2013 Vegetation and soil buildup throughout pipe preventing flapgate from closing. Remove vegetation to allow gate to close properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. 36-inch concrete standpipe on the landside (LS) toe. Flap gate on the waterside (WS) toe. Two corrugated metal cutoff walls installed. (24-inch pipe [HLM 4.65] authorized under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 4.65), Drawing No. 50-04-3379]. FS Date: 12/6/2016						

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_51459\_45062.jpg



CMP pipe and flapgate off WS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_51459\_45061.jpg



36-inch concrete riser on LS toe at channel.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	4.31	Rating **	M	Issue No.	61 (cont)	
LM End	4.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.313955 °	38.313955 °	
				-121.739930 °	-121.739930 °	
DWR ID	24705					
Comment Code						
Inspector Comment						
DS_ID:24705 FS_ID:51459 EP_NO: 10182 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/06/2016 Crossing has been downgraded from "Urgent" to "Non-Urgent" no signs of leaks observed along pipe alignment (limited inspection on WS toe). According to LMA representative, this crossing was replaced 6 years ago (2010) at WS concrete apron. Recommend conducting internal inspection of pipe through the levee and LS to determine pipe integrity. (O. Magana - DWR UCIP)12/04/2013 Vegetation and soil buildup throughout pipe preventing flapgate from closing. Remove vegetation to allow gate to close properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. 36-inch concrete standpipe on the landside (LS) toe. Flap gate on the waterside (WS) toe. Two corrugated metal cutoff walls installed. (24-inch pipe [HLM 4.65] authorized under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 4.65), Drawing No. 50-04-3379]. FS Date: 12/6/2016						

Photo 3 of 3 : UCIP\_FA\_2019\_51459\_45060.jpg



36-inch concrete riser with vegetation buildup inside.

LM Start	4.57	Rating **	C	Issue No.	25
LM End	4.65	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.316984 °	38.317904 °
				-121.742751 °	-121.743461 °
DWR ID	DWR_RD2104_01_s_2018_25				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	4.65	Rating **	M	Issue No.	62
LM End	4.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.317941 °	38.317941 °
				-121.743503 °	-121.743503 °
DWR ID	24704				
Comment Code					
Inspector Comment					
DS_ID:24704					
FS_ID:25003					
EP_NO: 10182					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Sign on WS toe needs repair.					
FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, at the high elevation. Signs on both toes of the levee. (Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado).					
[Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, Drawing No. 50-04-3379].					
FS Date: 12/4/2013					

Photo 1 of 2 : UCIP\_FA\_2019\_25003\_45081.jpg



Gasline marker on LS toe.

LM Start	<b>4.65</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>4.65</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_25003\_45080.jpg



Sign pole on WS toe missing sign.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	4.67	Rating **	M	Issue No.	63	
LM End	4.67	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.318119 °		38.318119 °
				-121.743730 °		-121.743730 °
DWR ID	24703					
Comment Code						
Inspector Comment						
DS_ID:24703						
FS_ID:25005						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Good candidate for video inspection.						
FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 13.5 feet below the crown. Pump on pile structure in the stream. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two cutoff walls. Concrete U-shaped headwall and air vent at the landside (LS) toe. Electrical conduit through the levee at the same location. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 5.06), Drawing No. 50-04-3379].						
FS Date: 12/4/2013						

LM Start	<b>4.67</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>4.67</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_FA\_2019\_25005\_45083.jpg



Concrete headwall on LS toe at irrigation ditch.

Photo 2 of 2 : UCIP\_FA\_2019\_25005\_45082.jpg



Slide gate in CMP riser on WS slope with pump on pier in background.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	4.71	Rating **	M	Issue No.	31
LM End	4.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.318407 °	38.318407 °
				-121.744495 °	-121.744495 °
DWR ID	DWR_RD2104_01_f_2018_31				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limb on landside slope.					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_31\_20190826\_00011.jpg



View of down tree limb on the landside slope (November 2018).

LM Start	4.72	Rating **	M	Issue No.	64	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.318432 °		38.318432 °
				-121.744540 °		-121.744540 °
DWR ID	24702					
Comment Code						
Inspector Comment						
DS_ID:24702 FS_ID:25006 EP_NO: 10182 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor erosion of base under headwall on WS toe. Heavy corrosion of pipe at WS toe. Further evaluation of pipe integrity needed. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. Flap gate on the waterside (WS) end. (Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 12/4/2013						

Photo 1 of 3 : UCIP\_FA\_2019\_25006\_45086.jpg



Concrete U shaped headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

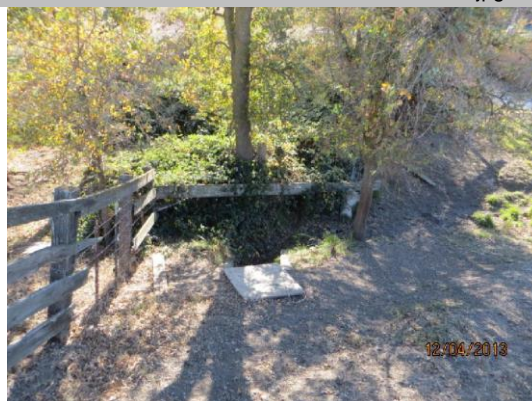
**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	4.72	Rating **	M	Issue No.	64 (cont)	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.318432 °	38.318432 °	
				-121.744540 °	-121.744540 °	
DWR ID	24702					
Comment Code						
Inspector Comment						
DS_ID:24702 FS_ID:25006 EP_NO: 10182 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor erosion of base under headwall on WS toe. Heavy corrosion of pipe at WS toe. Further evaluation of pipe integrity needed. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. Flap gate on the waterside (WS) end. (Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 12/4/2013						

Photo 2 of 3 : UCIP\_FA\_2019\_25006\_45085.jpg



Concrete U shaped headwall on LS toe.

LM Start	<b>4.72</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>4.72</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_25006\_45084.jpg



Concrete U shaped headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	4.88	Rating **	C	Issue No.	19
LM End	5.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.319630 °	38.325042 °
				-121.747152 °	-121.754338 °
DWR ID	DWR_RD2104_01_s_2019_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	4.96	Rating **	U	Issue No.	24
LM End	4.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.320382 °	38.320382 °
				-121.748155 °	-121.748155 °
DWR ID	DWR_RD2104_01_f_2017_24				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2104\_249\_24\_20190826\_00009.jpg



Landside levee slope has slumped leaving a 2-foot vertical scarp at the shoulder. Site should be repaired.

LM Start	5.04	Rating **	A/W	Issue No.	41
LM End	5.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.321582 °	38.321582 °
				-121.748546 °	-121.748546 °
DWR ID	DWR_RD2104_01_s_2012_41				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	5.07	Rating **	A/W	Issue No.	55
LM End	5.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.321883 °	38.322872 °
				-121.748527 °	-121.748700 °
DWR ID	DWR_RD2104_01_s_2013_55				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Livestock are causing erosion and slumping at landside levee shoulder. Access should be prevented. Site should be monitored.					

No Photos

LM Start	5.09	Rating **	U	Issue No.	65	
LM End	5.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.322215 °	38.322215 °	
				-121.748418 °	-121.748418 °	
DWR ID	24701					
Comment Code						
Inspector Comment						
DS_ID:24701 FS_ID:53387 EP_NO: 10182 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/12/2018 Same as last inspection; concrete headwall on WS still being undermined so crossing remains Urgent (D. Sanoski - DWR UCIP).12/06/2016 same as last inspection--pipe remains "Urgent" CMP shows holes through wall and concrete headwall is undermined. Need to contact owner. Owner will need to work with the CVFPB to comply with Title 23. (O. Magana - DWR UCIP)12/04/2013 Footing under headwall on WS toe severely undermined. Pipe rusted heavily with holes at WS and may need replacement. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Two cutoff walls. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS). (24-inch pipe [HLM 5.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 5.5), listed as a 12-inch pipe, Drawing No. 50-04-3379, listed as an 18-inch pipe]. FS Date: 10/12/2018 5:06:00 PM						

Photo 1 of 3 : UCIP\_FA\_2019\_53387\_45090.jpg



Concrete U-shaped headwall on WS toe. Note erosion scarp around headwall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	5.09	Rating **	U	Issue No.	65 (cont)	
LM End	5.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.322215 °	38.322215 °	
				-121.748418 °	-121.748418 °	
DWR ID	24701					
Comment Code						
Inspector Comment						
DS_ID:24701 FS_ID:53387 EP_NO: 10182 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/12/2018 Same as last inspection; concrete headwall on WS still being undermined so crossing remains Urgent (D. Sanoski - DWR UCIP).12/06/2016 same as last inspection--pipe remains "Urgent" CMP shows holes through wall and concrete headwall is undermined. Need to contact owner. Owner will need to work with the CVFPB to comply with Title 23. (O. Magana - DWR UCIP)12/04/2013 Footing under headwall on WS toe severely undermined. Pipe rusted heavily with holes at WS and may need replacement. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Two cutoff walls. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS). (24-inch pipe [HLM 5.50] authorized under Automatic Board Order (ABO) issued as Permit No. 10182, 1974 - Julia Trust Machado). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, (HLM 5.5), listed as a 12-inch pipe, Drawing No. 50-04-3379, listed as an 18-inch pipe]. FS Date: 10/12/2018 5:06:00 PM						

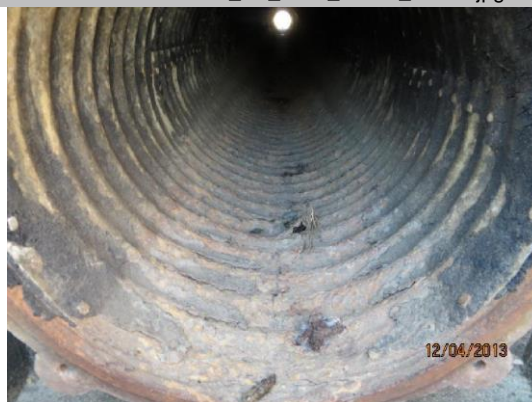
LM Start	<b>5.09</b>	Rating **	U	Issue No.	<b>65 (cont)</b>
LM End	<b>5.09</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_53387\_45089.jpg



Headwall undermined on WS toe.

Photo 3 of 3 : UCIP\_FA\_2019\_53387\_45088.jpg



Corrosion through pipe with holes on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	<b>5.35</b>	Rating **	A/W	Issue No.	<b>33</b>
LM End	<b>5.36</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.323595°	38.323730°	
			-121.752295°	-121.752430°	
DWR ID	DWR_RD2104_01_s_2012_33				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

LM Start	<b>5.64</b>	Rating **	C	Issue No.	<b>36</b>
LM End	<b>6.82</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.324625°	38.308632°	
			-121.756715°	-121.758397°	
DWR ID	DWR_RD2104_01_f_2018_36				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	<b>6.84</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>6.84</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		38.308404 °	38.308404 °	
			-121.758585 °	-121.758585 °	
DWR ID	24699				

**Comment Code**

**Inspector Comment**

DS\_ID:24699  
FS\_ID:53385  
EP\_NO: 10184  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 10/12/2018 Crossing downgraded to Non-Urgent due to reclassification of gas lines. Need to contact owner to determine current status of crossing (D. Sanoski - DWR UCIP).12/06/2016 No indicators were found. According to LMA representative, the gas line has been abandoned and markers have been removed about 10-15 years ago. Solano County was performing work on the LS toe approximately 700 feet from LS toe and according to their underground service alert (USA) survey completed for their construction site no PGE line was identified. Need to contact owner to determine abandoned as-builts for 8-inch line. (O. Magana - DWR UCIP)12/04/2013 Pump station visible to north on LS toe. Good indicator of location. Need PG+E to mark pipe location. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 8-inch iron gas line through the levee, 2 feet below the crown. (8-inch gas line authorized under Automatic Board Order (ABO) issued as Permit No. 10184, 1974 - Pacific Gas and Electric Company [PG&E]. 8-inch gas line first referenced in the USACE O&M as-built drawings from 1956). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, Drawing No. 50-04-3379A, Sheet 3379/2, Page 2 of 7, (Station 82+30)].  
FS Date: 10/12/2018 5:13:00 PM

LM Start	<b>6.84</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>6.84</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_53385\_76913.jpg



No signs present at ramp to enter RD2104.

Photo 2 of 3 : UCIP\_FA\_2019\_53385\_76914.jpg



No signs present of gas line.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2104 Peters Pocket Tract**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Slough/Unit No. 02 Haas Slough	Left	6.85	10/15/2019 10/15/2019	David Julian

LM Start	6.84	Rating **	M	Issue No.	66 (cont)	
LM End	6.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.308404 °	38.308404 °	
				-121.758585 °	-121.758585 °	
DWR ID	24699					
Comment Code						
Inspector Comment						
DS_ID:24699 FS_ID:53385 EP_NO: 10184 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/12/2018 Crossing downgraded to Non-Urgent due to reclassification of gas lines. Need to contact owner to determine current status of crossing (D. Sanoski - DWR UCIP).12/06/2016 No indicators were found. According to LMA representative, the gas line has been abandoned and markers have been removed about 10-15 years ago. Solano County was performing work on the LS toe approximately 700 feet from LS toe and according to their underground service alert (USA) survey completed for their construction site no PGE line was identified. Need to contact owner to determine abandoned as-builts for 8-inch line. (O. Magana - DWR UCIP)12/04/2013 Pump station visible to north on LS toe. Good indicator of location. Need PG+E to mark pipe location. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch iron gas line through the levee, 2 feet below the crown. (8-inch gas line authorized under Automatic Board Order (ABO) issued as Permit No. 10184, 1974 - Pacific Gas and Electric Company [PG&E]. 8-inch gas line first referenced in the USACE O&M as-built drawings from 1956). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 108, April 1964, Drawing No. 50-04-3379A, Sheet 3379/2, Page 2 of 7, (Station 82+30)]. FS Date: 10/12/2018 5:13:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_53385\_76915.jpg



Photo of where the line is estimated to cross on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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